

19980805.qrp v01_n174.qrs.980805

Date: Wed, 5 Aug 1998 19:03:18 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1174

QRP-L Digest 1174

Topics covered in this issue include:

- 1) [16835] Re: QRP Wattmeter
by Jim Lowman <jmlowman@ix.netcom.com>
- 2) [16836] Trade: Ten Tec Argonaut II model 535
by jcs4us@cosmoaccess.net
- 3) [16837] SOHO Update
by Paul Harden <pharden@aoc.nrao.edu>
- 4) [16838] Re: RF OUTPUT STAGE FOR 40M ?
by "George T. Baker" <w5yr@swbell.net>
- 5) [16839] QRP and Computers
by we6w@juno.com (Ed D. Loranger)
- 6) [16840] RS Microscope Sale
by KF4EIB@aol.com
- 7) [16841] RE: QRP and Computers
by Chris Cieslak <ccieslak@LAW.UIUC.EDU>
- 8) [16842] Re: Patch Panels vs Coax Switches
by w4bws@juno.com (Donald E Sanders)
- 9) [16843] Bumble Bee photo
by Wes Hayward <w7zoi@mail.teleport.com>
- 10) [16844] RE: RF OUTPUT STAGE FOR 40M ?
by cy r currier <crc3@telplus.net>
- 11) [16845] Re: RF OUTPUT STAGE FOR 40M ?
by "George T. Baker" <w5yr@swbell.net>
- 12) [16846] 12 Volt Float Charger \$9.99
by "Mike Rhodes" <weightdn@bright.net>
- 13) [16847] BUBBA Summer QRP Sprint Announcement!
by Joe Gervais <vole@primenet.com>
- 14) [16848] Elmer 300- more....
by n5inz@juno.com (John M Andrews)
- 15) [16849] Portable Antennas FS
by Joseph Everhart <n2cx@voicenet.com>
- 16) [16850] NorCal 20 Kit
by "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
- 17) [16851] Re: [Kenwood] CW filters for TS 830 comparisons, want to buy
by Wayne Montague <montaw@tdbank.ca>
- 18) [16852] SW+20 lives!
by "David Ek" <ekdave@earthlink.net>
- 19) [16853] QRPp Invoice

by Paul Harden <pharden@aoc.nrao.edu>

20) [16854] AC6UV QSO on the Pacific Trail!
by we6w@juno.com (Ed Loranger)

21) [16855] Re: White Mountain SSB Rig CW mod.?
by W7LS <w7ls@blarg.net>

22) [16856] Re:Elmer 300- more....
by Niels Jensen Kristjansson <nkristja@cadvision.com>

23) [16857] RE: Wall Drug
by aweiss@usd.edu (A. Weiss)

24) [16858] Stamp Collectors?
by Scott Bauer <ke3nv@erols.com>

25) [16859] Re: Thailand License?!?
by "Joe <HS2JFW>" <pornchai@daisy.bu.ac.th>

26) [16860] Re: NorCal 20 Info
by Stephen John Farthing <stephen@stevef.demon.co.uk>

27) [16861] Re: NorCal 20 and "Third World Project"
by Stephen John Farthing <stephen@stevef.demon.co.uk>

28) [16862] Re: Pixie also for DSB? (2)
by "Eim Mulder" <mulder@server4.nfra.nl>

29) [16863] Quality Kit Site
by Tracy@bytemark.com (Tracy)

30) [16864] Ugly Construction
by Leon Heller <leon@lfheller.demon.co.uk>

31) [16865] Auction Web Site....
by "Evert R. Halbach" <cs-erh@nich-nsunet.nich.edu>

32) [16866] RE: Ugly Construction
by Tracy@bytemark.com (Tracy)

33) [16867] Re: RF OUTPUT STAGE FOR 40M ?
by Zack Lau <zlau@arrl.org>

34) [16868] Re: Patch Panels vs Coax Switches -- Thanks for all the responses.
by "James Apple" <wb1dog@hotmail.com>

35) [16869] Portable Antennas FS - Correction
by Joe Everhart <n2cx@voicenet.com>

36) [16870] MFJ 934 ATU/ARTIFICIAL GROUND
by Thomas Roth <th.roth@apc.de>

37) [16871] Re: Stamp Collectors?
by Zack Lau <zlau@arrl.org>

38) [16872] Re: Auction Web Site....
by "George W" <n4myy@bellatlantic.net>

39) [16873] Homebrew QSL Cards
by William McFadden <wmcfadde@oucsace.cs.OhioU.Edu>

40) [16874] Re: MFJ 934 ATU/ARTIFICIAL GROUND
by Paul Helbert <phelbert@rica.net>

41) [16875] Callbook Thailand Home Page
by "Joe <HS2JFW>" <pornchai@daisy.bu.ac.th>

42) [16876] LaPorte County, Indiana Hamfest - Aug. 29
by N9DD@aol.com

- 43) [16877] Re: MFJ 934 ATU/ARTIFICIAL GROUND
by "Vincent Ferme" <vferme@sprint.ca>
- 44) [16878] CHECKS-not exactly QRP
by Ronald_A_Pfeiffer@res.raytheon.com
- 45) [16879] Re: Stamp Collectors?
by Chris Trask <ctrask@primenet.com>
- 46) [16880] Personal Excess
by Tracy@bytemark.com (Tracy)
- 47) [16881] London
by Brad Mugleston <bmug@gwl.com>
- 48) [16882] WTB QRP Gear
by Mercxx@aol.com
- 49) [16883] MorGain Antenna Description
by "James R. Duffey" <ji3m@maxwell.com>
- 50) [16884] SENDING DX QSLS
by w0yse@juno.com (Neil Klagge)
- 51) [16885] NYE Viking Master Key FS
by "GARY McCAUGHEY" <MAIL4GARY@worldnet.att.net>
- 52) [16886] Amp-hour capacity of alkaline D cells
by Allan Taylor K7GT <k7gt@qsl.net>
- 53) [16887] WTB: Scope (RS?) for parallel port..
by Niel Skousen <nskousen@scientech.com>
- 54) [16888] Elmer 101 -- VFO Mod
by John Bohnert <johnb@elmhurst.edu>
- 55) [16889] strange signal
by "Michael S. Williamson" <ag97@sendero.net>
- 56) [16890] Battery amp-hour ratings: INFO found!
by Allan Taylor K7GT <k7gt@qsl.net>
- 57) [16891] QRP++ output power reduction
by David Feldman <dgf@netcom.com>
- 58) [16892] RE: Amp-hour capacity of alkaline D cells (Duracell says....)
by Conrad <radman@best.com>
- 59) [16893] late BB report/portable mast
by talljazz@teleport.com (Dan Presley)
- 60) [16894] RE: RF OUTPUT STAGE FOR 40M ?
by John Moriarity <k6qq@hdo.net>
- 61) [16895] RE: Amp-hour capacity of alkaline D Cells
by David Ek <ekdave@earthlink.net>
- 62) [16896] Re: Amp-hour capacity of alkaline D cells
by Michael Maiorana <mikemo@ibm.net>
- 63) [16897] Aug 2, KLn timer Report
by Randy Hargenrader <randyh@harksystems.com>
- 64) [16898] Wrong Book!
by John Moriarity <k6qq@hdo.net>
- 65) [16899] Nye key
by "Karty, Steven" <kartys@ncs.gov>
- 66) [16900] RE: Live Bug Construction
by John Fletcher <johnf@innotts.co.uk>

- 67) [16901] elmer101: Sprint
by "j.w. thornton" <dub@oklahoma.net>
- 68) [16902] Portable WY Operating Spots?
by Zack Lau <zlau@arrl.org>
- 69) [16903] N2TPA: Re: Patch Panels vs Coax Switches
by n2tpa@juno.com (Bill d Lazure)
- 70) [16904] Re: elmer101: Sprint
by Michael Maiorana <mikemo@ibm.net>
- 71) [16905] KD2IX/HR2 or HR2/KD2IX
by Lauri_Frank_J@bns.att.com
- 72) [16906] Re: elmer101: Sprint
by John Bohnert <johnb@elmhurst.edu>
- 73) [16907] End Feed Antennas
by kf4tbs@juno.com (Matthew g Robertson)
- 74) [16908] Spice Modeling of Switched Capacitor filters?
by "Dan Tayloe" <Dan_Tayloe-P26412@email.mot.com>
- 75) [16909] Re: Homebrew QSL Cards
by wd3p@juno.com (Larry Cahoon)
- 76) [16910] Circuit to measure capacitance with multimeter?
by Mike Parkes <ab7ru@yahoo.com>
- 77) [16911] Spice Modeling of Switched Cap Filters?
by Dan Tayloe-P26412 <Dan_Tayloe-P26412@email.mot.com>
- 78) [16912] Re: KD2IX/HR2 or HR2/KD2IX
by wd3p@juno.com (Larry Cahoon)
- 79) [16913] Quotation Verbosity Monitor Report
by Mel Evans <MelEvansGM6JAG@compuserve.com>
- 80) [16914] Wire/Rope Antennas
by jdenison@morelr.com (JOEL DENISON)
- 81) [16915] radio shack clock
by marion@montana.com
- 82) [16916] Re: Elmer 300- more....
by n5inz@juno.com (John M Andrews)
- 83) [16917] Re: SENDING DX QSLS
by w0yse@juno.com (Neil Klagge)
- 84) [16918] I'm b a c k...! & NWQ MTG
by Bill Todd <bill@willapabay.org>

Date: Tue, 04 Aug 1998 16:05:43 -0700
From: Jim Lowman <jmlowman@ix.netcom.com>
To: k3chp@erols.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [16835] Re: QRP Wattmeter
Message-ID: <35C793C7.D7F9106F@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Joe Mikuckis wrote:

>

> Greetings:

>

> Since I posted the details of Diamond SX-200 wattmeter, I received a
> number of inquiries regarding its price and availability.

I got mine from AES-Las Vegas. I believe that both AES and HRO stock
the Diamond Line of wattmeters and antennas.

72 de Jim - AD6CW

Date: Tue, 04 Aug 1998 16:08:45 -0700
From: jcs4us@cosmoaccess.net
To: qrp-1@Lehigh.EDU
Subject: [16836] Trade: Ten Tec Argonaut II model 535
Message-ID: <3.0.32.19980804160841.0076d9a4@wingate>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hello There... I have a Ten Tec Argonaut II model 535 looks like the Delta
II but
it is QRP 5-watts... Comes with a copy of the manual, hand mic, power cord..
Will trade for a Icom IC-706MKII... Alan

My email is: jcs4us@cosmoaccess.net

Date: Tue, 4 Aug 1998 17:09:56 -0600 (MDT)
From: Paul Harden <pharden@aoc.nrao.edu>
To: qrp-1@Lehigh.EDU
Subject: [16837] SOHO Update
Message-ID: <Pine.SOL.3.91.980804170539.1726A-100000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Here's a press release regarding the SOHO satellite recovery you
might find interesting. It was issued by NASA/JPL and received here
at the observatory not long ago.

72, Paul NA5N

August 4, 1998
RELEASE: 98-145

SOHO SPACECRAFT CONTACTED

Contact has been re-established with the European Space Agency (ESA)/NASA Solar and Heliospheric Observatory (SOHO) spacecraft following six weeks of silence.

Signals sent yesterday through the NASA Deep Space Network (DSN) station at Canberra, Australia, were answered by SOHO at 6:51 p.m. EDT in the form of bursts of signal lasting >from two to ten seconds. These signals were recorded both by the NASA DSN station and the ESA station at Perth, Australia. Contact is being maintained through the NASA DSN stations at Goldstone, CA; Canberra; and Madrid, Spain.

Although the signals are intermittent and do not contain any data information, they show that the spacecraft is still capable of receiving and responding to ground commands.

"This is an excellent sign," said Dr. Joe Gurman, NASA SOHO Project Scientist at the Goddard Space Flight Center, Greenbelt, MD. "It means the spacecraft still has a heartbeat and gives us added optimism that we may be able to restore SOHO to scientific operation. Our next step, already underway, is to continue the careful process of attempting to re-establish control of the spacecraft. We will be attempting, in the near future, to begin data transmissions in order to get an assessment of SOHO's condition."

More information, images and status reports from SOHO can be found on the Internet at:

<http://sohowww.nascom.nasa.gov/>

- end -

Date: Tue, 04 Aug 1998 18:22:51 -0500

From: "George T. Baker" <w5yr@swbell.net>
To: w0yse@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [16838] Re: RF OUTPUT STAGE FOR 40M ?
Message-ID: <35C797CB.BA95D96B@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ah, the good old days of the pi network! Haven't thought about the steps in tuning one in years . . .

You might want to keep in mind th that the circuit values required to convert 50 ohms to a suitable load for a transistor output stage will be very different from the "typical" values found in pi nets for vacuum tube finals. And, they may not be all that convenient to find and use.

Tubes like to see loads in the hundreds to thousands of ohms range. Transistors like to see loads in the ohms to tens of ohms range. So, their load-matching networks will have greatly different component values when used to match to common 50-ohm loads.

Why? Tubes are high impedance devices: high voltge and low current. Solid-state devices are low-impedance devices: low voltage and high current. Required load resistance is a function of device voltage and current.

This difference is one reason that pi networks are not as often seen these days as "final tanks." The requirement to step DOWN the 50 ohm load for transistor finals is not always well met with the pi configuration. Tubes, on the other hand, demand that the tank circuit step UP the 50 ohm load, and pi nets do this very well.

A lot of impedance network design information has appeared in QST, et al over the years. Recent Handbooks also contain good design info for solid-state finals.

72/73, George didit dit
Amateur Radio W5YR, 52 years and counting!
QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403
AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)

Neil Klagge wrote:

>
> Juan,
> Why not use the old tunable Pi-section output system. You can find it in
> many old ARRL Handbooks. You dont need a link and it acts as a low pass

> filter as well.

<snp>

Date: Tue, 04 Aug 1998 19:27:32 EDT
From: we6w@juno.com (Ed D. Loranger)
To: qrp-1@Lehigh.EDU
Subject: [16839] QRP and Computers
Message-ID: <19980804.162254.9151.4.we6w@juno.com>

Good afternoon (Pacific time) gang! Very Hot temps here near San Francisco, CA yesterday and Today. 106 or so deg. F.

I have had moderate success using a 386 CPU and a RPI chipset modem to connect with juno. I don't have it nailed yet but just wanted to pass on my HOME EMAIL ADDRESS:

mailto:we6w@juno.com

Hopefully I'll get it working so well I can have my othere email address forwarded to this account soon.

OBQRP: I've just built this computer up from a CMOS and disk crash my kids assisted in :) And now that it is running and has a new CMOS battery, I'm in business to experiment with some of those programs for ham radio that have been quietly awaiting my computer ownership status to arrive.

The big 'Q':
What type of interfacing can I do to enhance my radio enjoyment? I'm talking of such things as PILE-UP morse trainer with its parallel port adapter option, also I'm interested in what others have done with their computers and ham radio.

I won't be buying fancy TNC cards and the like cuz that's not in the budget. Just want to learn how some of you have implemented computer control into your radio experience.

Thanks all! And glad to visit from home
where I don't have to make up my computer
time!

-Ed

72, Ed WE6W

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Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 4 Aug 1998 19:45:27 EDT
From: KF4EIB@aol.com
To: qrp-1@Lehigh.EDU
Subject: [16840] RS Microscope Sale
Message-ID: <def22511.35c79d1b@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Gang,

Flyer in the mail today alerted me to a sale on a "tool" .
Radio Shack has a Illuminated 30x power microscope with a 8x power magnifier
built in on sale for \$5.99 plus your tax.

S/N 63 - 851

Uses two AA batteries.

Picked one up and hit the work bench..... not bad for \$6.00 and change.

You surface mount dudes really would like this item !!!

Works great for hams like me without QRO eyes (old age).

BTW, unit is small / handheld..... so far I like it.

Usual disclaimer apply... just hang around RS often.

Take care es 73,

Gordon KF4EIB
Greensboro, NC
Fists # 4336

Date: Tue, 4 Aug 1998 18:51:50 -0500

From: Chris Cieslak <ccieslak@LAW.UIUC.EDU>
To: "'we6w@juno.com'" <we6w@juno.com>
Cc: "'qrp-1@lehigh.edu'" <qrp-1@Lehigh.EDU>
Subject: [16841] RE: QRP and Computers
Message-ID: <9171552F3022D1118B9F00805FFEB54601485EE4@law-mail.law.uiuc.edu>
MIME-Version: 1.0
Content-Type: text/plain

Well, even a 386 should be able to keep up with most programs that use the hamcomm interface. you can do rtty, cw, amtor, and even slow-scan with it. The circuit attaches to the serial port of the pc and is about \$5-15 worth of parts. its performance is fair but if you toss a few more bucks at the circuit performance should improve. (I've only had experience with the basic circuit.) qst recently had an article on it by k7sz1 (<http://www.accessone.com/~tmayhan/>). i believe you can download it there too.

I have used hamcomm for rtty, and jvfax (another program that uses the same circuit) for sstv, and both are great fun.

oh, and as always, no personal connection to any vendor, etc.

chris cieslak AA9HD * ccieslak@uiuc.edu * www.chriscieslak.com
senior, advertising, university of illinois
network administration minion, college of law
"It was only a couple of flipper babies!" --Scott Thompson

-----Original Message-----

From: we6w@juno.com [mailto:we6w@juno.com]
Sent: Tuesday, August 04, 1998 6:28 PM
To: Low Power Amateur Radio Discussion
Subject: QRP and Computers

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Date: Tue, 04 Aug 1998 20:03:12 EDT
From: w4bws@juno.com (Donald E Sanders)
To: wb1dog@hotmail.com
Cc: QRP-L@Lehigh.EDU
Subject: [16842] Re: Patch Panels vs Coax Switches
Message-ID: <19980804.190331.4487.0.W4BWS@juno.com>

I have used a patch panel for over 30 years with a row of BNC and a row of UHF and a few N type bulkhead connectors. I even have 3 key jacks and 3 mike jacks on one end. Has given great flexibility and I have all the watt meters and antenna tuners with in/out jacks on the panel. I can change configuration of station in just a minute. I use it from 160 to

uhf ham tv and fm on 440 mhz.

Panel is a 5 inch high aluminum sheet cut from an old 19 inch rack panel.

Used DYMO tape for jack ID but it peals off. now use magic mending tape with typed label from computer cut out and put on top of bottom tape with another piece of tape on top so it doesn't get worn off. Good luck.

Donald E. Sanders W4BWS

694 E. Eau Gallie Blvd. Satellite Beach, Fl 32937

407-779-0222 Fax 407-779-0830

E-mail to w4bws@juno.com

My favorite QRP rig glows in the dark

You don't need to buy Internet access to use free Internet e-mail.

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Date: Tue, 04 Aug 1998 17:45:14 -0700

From: Wes Hayward <w7zoi@mail.teleport.com>

To: qrp-l@Lehigh.EDU

Subject: [16843] Bumble Bee photo

Message-ID: <35C7AB1A.AA@mail.teleport.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Hello all,

I updated my web sight today to include some photos from the Bumble Bee Flight that Russ (AA7QU) and I did. The sight also has some updates on some recent spectrum analyzer work and on crystal filter design. The web address is www.teleport.com/~w7zoi/ Once into the sight, look at Technical Tidbits for the technical stuff, and in the Hikes of 1998 for the Bumble-bee shots.

73, Wes, W7ZOI

Date: Wed, 5 Aug 1998 08:59:55 -0400

From: cy r currier <crc3@telplus.net>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>, "'w5yr@swbell.net'"

<w5yr@swbell.net>
Subject: [16844] RE: RF OUTPUT STAGE FOR 40M ?
Message-ID: <01BDC050.70385AA0@bgr113.lobster.net>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

while most transistors are lo z it was my understanding that an n =
channel
fet more nearly approximated a triode. the voltage was lower of course. =
would these not respond favorably to pi network?? i thought the orig =
discussion was about fet's in the final. cy - k1tes=20

From: George T. Baker
Sent: Tuesday, August 04, 1998 7:22 PM
To: Low Power Amateur Radio Discussion
Subject: Re: RF OUTPUT STAGE FOR 40M ?

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step UP the 50 ohm load, and pi nets do this very well.

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72/73, George didit dit

Amateur Radio W5YR, 52 years and counting!
QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403
AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)

Neil Klagge wrote:

>=20

> Juan,

> Why not use the old tunable Pi-section output system. You can find it =
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> many old ARRL Handbooks. You dont need a link and it acts as a low =
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> filter as well.=20

<snp>

Date: Tue, 04 Aug 1998 20:31:22 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: cy r currier <crc3@telplus.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [16845] Re: RF OUTPUT STAGE FOR 40M ?
Message-ID: <35C7B5EA.770D09C0@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I'm not all that much "up" on power FET devices, Cy. I was just going by the info in the Handbook - Chapter 13 - on impedance matching for power amplifiers. The formula given there for "optimum" load resistance for a transistor amplifier is independent of the type of transistor and uses only the collector voltage and power output. That, of course, is just a starting point for amplifier and network design. That formulas is distinctly different from the one for tube finals.

My gut feel is that even though a N FET power device is used, the great difference in operating current and voltage as compared to a vacuum tube amplifier would still make the transistor a special case for design.

I am not saying that a pi network configuration will not work. I AM saying that the values usually associated with tube amplifier applications PROBABLY will not work and that the actual values required with a transistor final may not be all that convenient to use.

Maybe some of our r-f design experts can pitch in here with some actual circuit comparisons . . .

72/73, George didit dit

Amateur Radio W5YR, 52 years and counting!

QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403

AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)

cy r currier wrote:

>
> while most transistors are lo z it was my understanding that an n channel
> fet more nearly approximated a triode. the voltage was lower of course. would
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about fet's in the final. cy - kites

>

> -----

> From: George T. Baker

> Sent: Tuesday, August 04, 1998 7:22 PM

> To: Low Power Amateur Radio Discussion

> Subject: Re: RF OUTPUT STAGE FOR 40M ?

>

> Ah, the good old days of the pi network! Haven't thought about the steps
> in tuning one in years . . .

>

> You might want to keep in mind th that the circuit values required to
> convert 50 ohms to a suitable load for a transistor output stage will be
> very different from the "typical" values found in pi nets for vacuum
> tube finals. And, they may not be all that convenient to find and use.

>

> Tubes like to see loads in the hundreds to thousands of ohms range.

> Transistors like to see loads in the ohms to tens of ohms range. So,

> their load-matching networks will have greatly different component

> values when used to match to common 50-ohm loads.

>

> Why? Tubes are high impedance devices: high voltge and low current.

> Solid-state devices are low-impedance devices: low voltage and high

> current. Required load resistance is a function of device voltage and

> current.

>

> This difference is one reason that pi networks are not as often seen

> these days as "final tanks." The requirement to step DOWN the 50 ohm

> load for transistor finals is not always well met with the pi

> configuration. Tubes, on the other hand, demand that the tank circuit

> step UP the 50 ohm load, and pi nets do this very well.

>

> A lot of impedance network design information has appeared in QST, et al

> over the years. Recent Handbooks also contain good design info for

> solid-state finals.
>
> 72/73, George didit dit
> Amateur Radio W5YR, 52 years and counting!
> QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403
> AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)
>
> Neil Klagge wrote:
> >
> > Juan,
> > Why not use the old tunable Pi-section output system. You can find it in
> > many old ARRL Handbooks. You dont need a link and it acts as a low pass
> > filter as well.
>
> <snp>
>
>

>
> Part 1.2 Type: application/ms-tnef
> Encoding: base64

--

72/73, George didit dit
Amateur Radio W5YR, 52 years and counting!
QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403
AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)

Date: Tue, 4 Aug 1998 21:26:30 -0400
From: "Mike Rhodes" <weightdn@bright.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [16846] 12 Volt Float Charger \$9.99
Message-ID: <000a01bdc011\$91b3d220\$d40a8fd1@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Just thought this item might be of interest to some of the group.

<http://www.harborfreight.com/cpi/taf/DisplayItem.taf?Itemnumber=37137>

72 de
Mike / W8DN

Date: Tue, 4 Aug 1998 18:41:58 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-1@Lehigh.EDU
Subject: [16847] BUBBA Summer QRP Sprint Announcement!
Message-ID: <199808050141.SAA20324@usr07.primenet.com>

(Full rules posted at end if you'd like to skip ahead....)

Howdy Folks,

Clear out your calendars for Aug. 30th, it's that time of year again! Just when you thought the summer heat would drive you over the edge, it's time to make that heat do you some good! Yes, it's....

The BUBBA* Summer QRP Sprint! (Sponsored by the AZ ScQRPions)

*(BUBBA = "Burn Ur Big B_____ Away")

So what the heck is it? Basically it's an inverse FYBO - you get a nice multi based on how high your operating temperature peaks during the event. Heck, you Texans may be in a position to clean up this year. :-)

We need you out there! Indoor, outdoor, DX, mobile... If you can generate modulated RF, you can be a BUBBA. And who wouldn't be proud of that? Impress your friends and co-workers! Get that promotion you've been hoping for! And groupies! Did I mention the BUBBA groupies?

So why bother? Big scores! Big sigs! Big FUN! In the exchange, you'll send the temperature at your operating position. You indoor ops can snicker at the outdoor ops who are sweating like bison in the blazing heat. And you outdoor ops can take comfort in the fact that every drop of sweat means you're getting a big ol' multi that'll translate to *big* points when it's over.

And if you find and work NQ7RP (the ScQRPion club station) you'll get to add 10,000 pts to your final score for each band you bag him on. A pre-season Fox hunt! :-)

Outdoor ops will use their highest operating temp to calculate their Heat Index for final scoring ('cause it ain't always a

dry heat, folks!). Indoor ops will use their operating highest temp as their multi.

For you outdoor ops, we've included a Heat Index chart below, or you can check with your local wx service/channel.

So there ya go! We AZ ScQRPions sure hope you'll join us. It's about being on the air and having fun. Because after all, there's a little BUBBA in all of us....

Cheers de AB7TT,

-Bubba Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"Hot? You call this HOT? Why, back in the summer of '67...."

----- BUBBA '98 ANNOUNCEMENT -----

BUBBA Summer QRP Sprint, sponsored by the AZ ScQRPions

Aug 30, 1800Z-2200Z

HF bands, standard QRP calling freqs (no WARC)

CW, QRP (5w or less) only

Categories: Indoor/Outdoor, Single Op/Multi Op.

Exchange RST, SPC, Name, and Temp(F) at OPERATOR'S POSITION.

Score 1 pt per QSO.

Each SPC counts once per band.

Work NQ7RP once per band for 10,000 pt. bonus each QSO.

Multipliers:

SPCs: All bands total

Power: 1-5w = x1, Less than 1w = x2.

Category: Indoor Op = x1, Outdoor Op = x2.

Heat:

- Indoor ops use highest operating temp(F) at OP'S POSITION.
- Outdoor ops use NWS Heat Index (use highest operating Heat Index). See chart below.

Final Score = QSO pts x SPCs x Power x Category x Heat Multi + NQ7RP bonus

EXAMPLE:

5w, 80 QSOs total, 35 SPCs Total (8 SPCs on 10m, 14 SPCs on 15m, 13 SPCs on 20m). Outdoor op, highest operating Heat Index is 107. NQ7RP worked on two bands.

80 x 35 x 1 x 2 x 107 + 20,000 = 619,200 pts.

Send logs by 9/30/98 to vole@primenet.com or Joe Gervais, POB 1822, Goodyear, AZ 85338. Include callsign, operator(s), power, location, and highest operating temp (outdoor ops also include relative humidity and NWS Heat Index).

For more info, visit <www.dancris.com/~ki7mn>.

----- OH-FISH-UHL BUBBA HEAT INDEX CHART (for outdoor ops) -----

<<http://www.weatherpoint.com/weather/glossary/text/wchill.htm>>

HEAT INDEX CHART

TEMP(F)	70	75	80	85	90	95	100	105	110	115	120
	--	--	--	--	--	--	---	---	---	---	---
RH 0%:	64	69	73	78	83	87	91	95	99	103	107
10%:	65	70	75	80	85	90	95	100	105	111	116
20%:	66	72	77	82	87	93	99	105	112	120	130
30%:	67	73	78	84	90	96	104	113	123	135	148
40%:	68	74	79	86	93	101	110	123	137	151	
50%:	69	75	81	88	96	107	120	135	150		
60%:	70	76	82	90	100	114	132	149			
70%:	70	77	85	93	106	124	144				
80%:	71	78	86	97	113	136	157				
90%:	71	79	88	102	122	150	170				
100%:	72	80	91	108	133	166					

Date: Tue, 4 Aug 1998 20:50:51 -0500
From: n5inz@juno.com (John M Andrews)
To: QRP-L@Lehigh.EDU
Subject: [16848] Elmer 300- more....
Message-ID: <19980804.205056.3198.48.N5INZ@juno.com>

Howdy:

Wes(W7ZOI) reminded me(by his post) that he has a great book- and software disc.

"Radio Frequency Design" (ARRL-\$30).

Networks, filters, oscillators, etc. covered.

Detailed in "QRP Power" so I won't go into more discussion.

Make sure you visit his site to archive the info in case his book shows up on your shopping list.

My library is finally moving into this century.

Usual disclaimers.

72, John- N5INZ

1

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 4 Aug 1998 22:02:17 -0400
From: Joseph Everhart <n2cx@voicenet.com>
To: qrp-1@Lehigh.EDU
Cc: njqrp@njqrp.org
Subject: [16849] Portable Antennas FS
Message-ID: <199808050202.WAA39246@nss4.cc.Lehigh.EDU>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang,

Just in time for the last portable QRP events of the season *and* the shiny new 20 meter qrp rig we have all ordered...

(Note that this is NOT NORCAL sponsored. I'm just riding on their coattails!

Gusher-2L Single band Portable QRP Antenna

1 pound dipole ideal for portable use as an inverted vee
Can be configured for multiband use
Complete with all parts - you cut to length

Gusher Classic

1 pound dipole ideal for portable use as an inverted vee
You cut it for any single band from 40-10 meters
Complete with all parts - you cut to length

HALFER Ultra Portable Antenna

1/2 wave end-fed wire and 1/4 wave counterpoise
Easy to erect, very light (under 8 oz) and highly effective
Supplied at 40 meter length can be cut for 30 meters
Requires simple tuner like Rainbow Tuner

All antennas are supplied with complete cutting and application info.

Now the best part. Prices are now rolled back to Dayton levels!

Prices:

Gusher-2L	\$25.00
Gusher-Classic	\$20.00
Halfer	\$ 5.00

Postage	\$ 3.00 US,	(each antenna)
	\$ 5.00 foreign	(each antenna)

Antennas are in stock and will be shipped promptly by Priority mail to US addresses.

For additional info contact:

n2cx@voicenet.com

or write to

Joe Everhart, N2CX
214 New Jersey Rd
Brooklawn, NJ 08030

Date: Tue, 04 Aug 1998 22:10:15 -0400
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
To: "qrp-l@Lehigh.EDU" <qrp-l@Lehigh.EDU>
Subject: [16850] NorCal 20 Kit
Message-ID: <35C7BF07.D91FFCC6@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

While I am hoping that we ALL are winners in that this kit will be a great addition to anybodies collection, I would also be interested in knowing if I am a loser as quickly as possible so I can account for the check in my check book. That's \$100 of dedicated radio funds that I could then use to buy yet another kit to satisfy my almost constant need to melt solder since I became a QRP person.

>Date: Tue, 04 Aug 1998 10:54:05 -0500
>From: "Jeff M. Gold" <JGold@tntech.edu>
>To: QRP-L #98 <qrp-l@Lehigh.EDU>
>Subject: [16807] Norcal 20 kit
>Message-ID: <006f01bdbfc0\$1bc715a0\$4d0b9595@Jeffro.cc.tntech.edu>
>MIME-version: 1.0
>Content-type: text/plain; charset="iso-8859-1"
>Content-transfer-encoding: 7bit

>Was wondering if anyone knows of Norcal will be posting the winning
>applicants for the new kit.
>
>72
>Jeff, AC4HF

--
+++++

T.J. "SKIP" AREY N2EI e-mail tjarey@home.com

QRP-L #1618 QRPARCI #8634 NJ-QRP #155 G-QRP #10055

ARRL Life Member

QRP RIGS: HW-7, HW-8, FT-301S

Website <http://members.home.net/tjarey>

Snail Mail: PO Box 236, Beverly, NJ 08010

Specialization is for insects! LAZARUS LONG

Date: Tue, 04 Aug 1998 22:19:46 -0400
From: Wayne Montague <montaw@tdbank.ca>
To: Clark Savage Turner WA3JPG <turner@safety.ics.uci.edu>
Cc: qrp-l@Lehigh.EDU
Subject: [16851] Re: [Kenwood] CW filters for TS 830 comparisons, want to buy
Message-ID: <35C7C142.282A@tdbank.ca>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Clark -

No experience with those specific filters, but if a similar set on a Yaesu means anything, the InRad are *much* better. Less ringing, better skirts and a nice flat passband. Stop band is better too.

Fox Tango started it all. International bought them out. InRad bought the filter business from International in, when.... 1997?

You cannot possibly buy a better filter for the price. Good, friendly helpful folks. George and Georgia, I think.

Wayne

Over the years InRads in R4C, TR7, IC751A, FT767, IC735, IC756, R71A....

Between factory and InRad and if InRad is a drop in, its a no brainer.

Date: Tue, 4 Aug 1998 21:05:21 -0600
From: "David Ek" <ekdave@earthlink.net>
To: <qrp-l@Lehigh.EDU>
Subject: [16852] SW+20 lives!
Message-ID: <000301bdc01d\$e2e6c100\$8fac85ce@davidek>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi, gang -

Just got my new SW+ for 20m on the air. Sweet rig! No problems building--fired right up & aligned with no problems (first time I didn't sacrifice any parts to the homebrew gods!). Receive is very quiet & filtering is pretty tight. Called CQ after listening for a bit and got a call right back from a station in Oregon--got a 559 for my 2 watts. Had a short but nice chat (guy'd been a ham for 53 years!). I built a TiCK into the rig as well. Also performed the mod for the headphones--worked great. It's gonna make a great rig for backpacking.

Thanks, Dave NN1G!

72 de Dave AB0G0

Date: Tue, 4 Aug 1998 21:33:49 -0600 (MDT)
From: Paul Harden <pharden@aoc.nrao.edu>
To: qrp-l@Lehigh.EDU
Subject: [16853] QRPp Invoice
Message-ID: <Pine.SOL.3.91.980804212159.8255B-1000000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Doug,
Here's the quasi-official final tabulation for the Summer QRPp.
I am NOT cc'ing this to Jim since he's gone.

1500 QRPp's @ 1.50 each	2250
1500 NC20 insert flyers	48
TOTAL PRODUCTION	2298

MAILING

1177 Domestic at .939 each	1105
107 DX mailings	211
12 To Cuba at \$1.64 each	20
Bagging and Labeling	150
TOTAL MAILING FEES	1486
	=====
Sub-total	3784
Less \$1500 advance	-1500
	=====
TOTAL DUE	2284

LESS ... the cost of the 3 NorCal paddle kits Jim sent me and said he would just take it off this invoice.

A few notes:

1. Our domestic mailing count was 1198; 1177 is what the Post Office recalculated based on weight. I didn't object!
2. Will be sending the Spring and Summer annual sets in a week or two together. I start printing the high school student handbook tomorrow (almost a QRPP) for delivery Aug. 12th! When that is completed, I'll have Sandra and Naomi finish them up and off to you.
3. Can't think of anything else.

Tnx,
Paul

Date: Tue, 04 Aug 1998 23:53:13 EDT
From: we6w@juno.com (Ed Loranger)
To: qrp-1@Lehigh.EDU
Subject: [16854] AC6UV QSO on the Pacific Trail!
Message-ID: <19980804.204826.8447.1.we6w@juno.com>

Howdy Gang, I just landed the big one. Gody/AC6UV is on the pacific trail and I just had an excellent qso with him!!

August 5, 1998; 0315-0337 UTC
7040 KHz +/-; AC6UV 599/579
Gody is QRP from 20 miles north of Toulemne Meadows at the Matterhorn Canyon, California. Tomorrow he will travel to Benson Lake as it is described in his travel book. Gody said the temp up in the High Sierras was

70 deg. F. and that the mosquitos were biting fiercely since he spilled his bottle of Bug Repellant and is all out! Fortunately I've relayed an email to his buddy who will add this to the items at the next drop point.

Gody mentioned he'd be on the QRP freq for sure to QNI to the WSN-40 net at 1600Z This saturday. Come join in! (7040 Khz).

Have fun with qrp folks!

-Ed

72, Ed WE6W QRP/CW only. <http://www.qsl.net/we6w>
Enjoying Ham Radio every day!

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 04 Aug 1998 20:56:08 -0700
From: W7LS <w7ls@blarg.net>
To: rhiller@sysdev.com
Cc: qrp-1@Lehigh.EDU
Subject: [16855] Re: White Mountain SSB Rig CW mod.?
Message-ID: <35C7D7D8.2BEB@blarg.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi. No known official mod that I know of. I spoke with Dave Benson(the designer and manufacturer). I suggested doing what Collins and Drake did for cw. Make a 700 Hz tone generator and plug it into the mic connector. No other mods necessary. Adjust output of the oscillator to give desired cw power. Key the oscillator or gate it. Either way is fine. Make it a nice, sine wave, though. No fair cheating and using a 555 with a square wave output! :-)

This mod has the neat feature that there is no need to fiddle with cw offset, etc. It is automatically done by this method. It gives a nice, pure cw tone, too, provided that the ssb filter knocks out the undesired sideband enough.

GL/73 de Jim, W7LS

Rick Hiller wrote:

>

> Morning Folks,

>
> I was told that someone had recently posted a mod for placing the White
> Mountain SSB rig on CW. I must have missed it's original posting.
>
> Could anyone refer me to it or send me a copy, please?
>
> Much obliged...73....Rick.....W5RH
> -----
> Rick Hiller
> Manager, Business Development
> System Development, Inc. Houston, Texas
>
> "Providing CGM based Hardcopy and Interactive Graphics tools"
> Check us out at <http://www.sysdev.com/>

Date: Tue, 4 Aug 1998 22:41:56 -0600
From: Niels Jensen Kristjansson <nkristja@cadvision.com>
To: qrp-l@Lehigh.EDU
Subject: [16856] Re:Elmer 300- more....
Message-ID: <1.5.4.16.19980804224029.1ee7c2e2@cadvision.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi John!

Do you have the URL?

73 de Niels
VE6NJK/TF3NJ

>Wes(W7Z0I) reminded me(by his post) that he has a great book- and
>software disc.

>
>"Radio Frequency Design" (ARRL-\$30).
>
>Networks, filters, oscillators, etc. covered.
>Detailed in "QRP Power" so I won't go into more discussion.
>
>Make sure you visit his site to archive the info in case
>his book shows up on your shopping list.
>
>My library is finally moving into this century.
>

>Usual disclaimers.

>

>72, John- N5INZ

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>

>

>

Date: Tue, 4 Aug 1998 23:52:23 -0500

From: aweiss@usd.edu (A. Weiss)

To: qrp-1@Lehigh.EDU

Subject: [16857] RE: Wall Drug

Message-ID: <199808050452.XAA24875@sunburst.usd.edu>

Hi gang:

Paul's comment on NU0V's card from Wall Drug brought back a Texas memory. I taught both of the vivacious Wall Drug daughters back in the late 1970's (or early '80's?). At any rate, out east one summer on a motorcycle research trip, I glanced at headlines about a Texas wind-shear airplane crash. Believe it or not, one of the

daughters was in the featured picture as the heroic type
stewardess. Kind of mind bobbling when someone one
knows almost dies in a crash and one finds out about it
in the headlines!

73, Ade W0RSP

Date: Wed, 05 Aug 1998 00:52:40 -0400
From: Scott Bauer <ke3nv@erols.com>
To: qrp-1@Lehigh.EDU
Subject: [16858] Stamp Collectors?
Message-ID: <199808050452.AAA21790@smtp1.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi gang,

This is not QRP, but most who QSL save the stamps.
I have just moved into an old home. In the attic, I have found
at least 300 letters from the mid 50's with the stamps still
affixed on the envelopes. A few from the 40's & 30's.

I wonder if someone can tell me the best way to save the
stamps. Should I cut the stamp from the envelope along
with the postmark. Is that important?? Should I save
the envelopes from hotels, ect??

I will be offering the excess stamps to anyone who might
want them later on.

Are old postcards worth saving??

Any help will be appreciated.

Scott w3cv

Date: Wed, 5 Aug 1998 12:24:13 +0700
From: "Joe <HS2JFW>" <pornchai@daisy.bu.ac.th>
To: <radioray@juno.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [16859] Re: Thailand License?!?
Message-ID: <00ed01bdc031\$49fba140\$b8e794cb@HS2JFW.bu.ac.th>
MIME-Version: 1.0
Content-Type: text/plain;
charset="windows-874"

Content-Transfer-Encoding: 8bit

Hi Ray,

Just read your mail. If you need to operate in Thailand you need to contact Radio Amature of Society Thailand (RAST) for apply your request. I know who you should contact with.

Try to mail to hs1ru@hotmail.com and explain what you need to him.

He's RAST committee. Or you can send mail to me and I will pass to him.

73/72 Joe

Pornchai Semjang ,Joe QRP-L #938

HS2JFW , N3YGP QRP-HS#1

Bangkok University

semjang@lily.bu.ac.th

HomePage "<http://www.qsl.net/~hs2jfw>"

Callbook Thailand "<http://hs2jfw.ml.org>"

-----Original Message-----

From: Raymond E Tougas <radioray@juno.com>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Date: 4 2541 23:21

Subject: Thailand License?!?

>Hi QRP'ers,

>

>I'm headed to Thailand for a month (on short notice)

>and would love to operate there, BUT I can't seem

>to get in contact with the proper autiorities via

>their consulate. Does know who I should contact

>for a reciprocal license?

>

>

> >Ray

>

>

>-----
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>Or call Juno at (800) 654-JUNO [654-5866]

>

Date: Wed, 5 Aug 1998 00:47:18 +0100

From: Stephen John Farthing <stephen@stevelf.demon.co.uk>

To: qrp-1@Lehigh.EDU
Subject: [16860] Re: NorCal 20 Info
Message-ID: <KkquCCAG25x1Ew2u@stevef.demon.co.uk>
MIME-Version: 1.0

>One way to tell if your order has been received is to see if your check has
>cleared. If it has, you are in.

European NORCAL20 clients please note :-

For those that have ordered a kit through me I shall cash the remaining
cheques on Friday. So far all orders which I have been sent with payment
have been processed and details sent to Jim. This means, you will get a
kit. So far I have taken 28 Orders.

(Doug, please inform me when we run out of kits so I can stop accepting
orders.)

Will those ordering at the last minute please ensure that they make
cheques payable to me in UK Pounds. I have had to send back a couple of
cheques with orders because the cheques have been made payable to the
GQRP Club. I cannot cash these. So avoid any delay and the possibility
of missing out on this fine kit by getting the payment details right
first time.

BTW the concept of providing free kits for the 3rd world has gone down
really well. Many of the orders have had notes supporting the concept
included.

73 de

--
Stephen John Farthing MBCS G0XAR
Melksham, Wiltshire UK
RSGB G-QRP 7766

Date: Wed, 5 Aug 1998 01:00:18 +0100
From: Stephen John Farthing <stephen@stevef.demon.co.uk>
To: qrp-1@Lehigh.EDU
Subject: [16861] Re: NorCal 20 and "Third World Project"
Message-ID: <\$n\$TSHASC6x1EwAE@stevef.demon.co.uk>
MIME-Version: 1.0

In article <199808030249.TAA02922@netcom8.netcom.com>, Doug Faunt N6TQS
+1-510-655-8604 <faunt@netcom.com> writes
>I have sent off an order to NorCal for a NorCal 20 for myself, with
>intentions of making a little RTTY rig out of it.

Doug,

I hope you will publish the modifications so that others can try
it. Given the recent correspondence on the GQRP club list I, for one, am
willing to try QRP Data modes. BTW the R2/T2 kits you bought over for me
last year form the heart of a multi band RXTX project which Jan G0BBL,
Alan G7PUB and I are developing using a DDS VFO. So far results are
encouraging on the 40Meter prototype.

>
>I have also sent along another \$95. for a second rig to be sent along
>to the G-QRP club to be distributed to those less fortunate, in
>addition to the 500 units already provided for.
>I encourage others to do this, If you can afford it.
>
>73, doug
>
>
>
A noble deed.

73 de

--

Stephen John Farthing MBCS G0XAR
Melksham, Wiltshire UK
RSGB G-QRP 7766

Date: Wed, 05 Aug 1998 09:36:40 +0200
From: "Eim Mulder" <mulder@server4.nfra.nl>
To: skipnc9o@aol.com
Cc: QRP-L@Lehigh.EDU
Subject: [16862] Re: Pixie also for DSB? (2)
Message-ID: <s5c827cd.024@server4.nfra.nl>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable
Content-Disposition: inline

Hi skip,

One of my favorites is making things so simple as possible.

Thev pIxie i a very good and eazy designand I think it must be possibkle = to make him to use also in phone.

There are enough crystals to find for the phone section on 80 mtrs.

To receive Attached file is for me not any problem, into .PCX format would = be just fine. In my work as an Technical Documentation Engineer Iam = working everyday with a large huge of software and several different of = formats.

Just sent me what you have and offource I'll inform you if I make any = progress. Probally it will take a while, tomorrow I am goiing on holliday = and the fall is mostly the best time to be busy with making things.

If you like also to make easy designs, I know a nice Japanese site of a = ham that had make a lot of simple designs, just let me know.....

73's Eim

Eim mulder

mulder@nfra.nl

>>> <SKIPNC90@aol.com> 08/04 1:55 PM >>>

Hi Eim,

Are you trying to make a DSB rig? The idea to use a Pixie based radio is interesting. There have been some simple DSB rigs in Sprat. Are you able to receive attached files? I could send one to you as a .pcx format. Let me know.

73 De Skip Davis NC90
skipnc90@aol.com

Date: Wed, 5 Aug 1998 06:54:35 -0400
From: Tracy@bytemark.com (Tracy)
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [16863] Quality Kit Site
Message-ID: <000c01bdc05f\$6f566140\$d0241ad1@titan>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I'm not connected, just impressed. If you're into Velleman, Maplin or DIY kits, Check out
<http://www.qkits.com/public/default.htm>

They've got a few neat things, and the site looks great. I never saw a site totally dedicated to kits before!
Tracy, N4LGH #1453

Date: Wed, 5 Aug 1998 06:24:28 +0100
From: Leon Heller <leon@lfheller.demon.co.uk>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [16864] Ugly Construction
Message-ID: <gLjckFAMy+x1EwBL@lfheller.demon.co.uk>
MIME-Version: 1.0

I use what could be called a "live bug" technique - I mount ICs the right way up! I like to be able to see what they are, and it makes identifying the pins much easier. I just bend all the pins so they are parallel to the board and then bend down the ones that need grounding. Rather than redundant high value Rs as standoffs, I use isolated small areas cut out of the copper with a little diamond grinding wheel in a hand-held drill.

Leon

--

Leon Heller: leon@lfheller.demon.co.uk <http://www.lfheller.demon.co.uk>
Amateur Radio Callsign G1HSM Tel: +44 (0) 118 947 1424
See <http://www.lfheller.demon.co.uk/dds.htm> for details of a simple AD9850 DDS system. See " ["/diy_dsp.htm](#) for a simple DIY DSP ADSP-2104 system.

Date: Wed, 5 Aug 1998 07:11:07 -0600
From: "Evert R. Halbach" <cs-erh@nich-nsunet.nich.edu>
To: qrp-l@Lehigh.EDU
Subject: [16865] Auction Web Site....
Message-ID: <B998714931@nich-nsunet.nich.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7BIT

Hello Group!

Don't know if this was posted or not so here goes.....

Was given a neat auction site by a friend. Lots of EVERYTHING and ANYTHING up for auction. Even saw a couple of QRP items. Lots of ham gear..... Really neat because you can check the "credibility" of people you are dealing with.....

It is located at: www.ebay.com

Select Misc. then go to "Radio Equipment" which is under "Consumer Electronics".....

Happy Auctioning.....

73 de WA50JI Evert
ARCI-9684 QRP-L-1562

Evert R. Halbach WA50JI
E-mail - cs-erh@nich-nsunet.nich.edu
Snail (work) - P.O. Box 2168 Thibodaux, La. 70310
Snail (home) - 117 Sawmill Rd. Thibodaux, La. 70301

Date: Wed, 5 Aug 1998 08:39:23 -0400
From: Tracy@bytemark.com (Tracy)
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [16866] RE: Ugly Construction
Message-ID: <001101bdc06e\$12f00fa0\$d0241ad1@titan>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

>
> I use what could be called a "live bug" technique - I mount ICs the
> right way up! I like to be able to see what they are, and it makes
> identifying the pins much easier. I just bend all the pins so they are
> parallel to the board and then bend down the ones that need grounding.

You're right, it's a MUCH better practice ...

> Rather than redundant high value Rs as standoffs, I use isolated small
> areas cut out of the copper with a little diamond grinding wheel in a
> hand-held drill.

But some of us don't have that type of equipment, so we have to improvise
...

Thanks!
Tracy, N4LGH
QRP-L #1453

Date: Wed, 05 Aug 1998 08:31:35 -0400
From: Zack Lau <zlau@arrl.org>
To: qrp-l@Lehigh.EDU
Subject: [16867] Re: RF OUTPUT STAGE FOR 40M ?
Message-ID: <35C850A6.73DD@arrl.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

George T. Baker wrote:

> Tubes like to see loads in the hundreds to thousands of ohms range.
> Transistors like to see loads in the ohms to tens of ohms range. So,
> their load-matching networks will have greatly different component
> values when used to match to common 50-ohm loads.

I can't recall having problems getting transistors to work
with higher impedance loads of up to several thousand ohms.
 $(12V)^2 / (2 * .01watts) = 7200 \text{ ohms.}$

Suppose you had a PI network designed to present 2500 ohms to a
tube and wanted to use a transistor instead to get 5 watts.
 $V = \sqrt{2500ohms * 2 * 5watts} = 158 \text{ volts.}$ The actual supply voltage
needs to be higher to compensate for losses. There are FETs
that will work (@40M with this voltage) and isolation transformers
that will deliver the necessary voltage for building a power supply.
Seems relatively practical--assuming you already have the PI network
from an old transmitter.--Zack Lau W1VT

Date: Wed, 05 Aug 1998 05:33:46 PDT
From: "James Apple" <wb1dog@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [16868] Re: Patch Panels vs Coax Switches -- Thanks for all the responses.
Message-ID: <19980805123347.10386.qmail@hotmail.com>
Content-Type: text/plain

I have a bunch of ideas to go on, and I will post my results in a week or two.

Thanks again

72's

Jim Apple - WB1DOG

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Wed, 5 Aug 1998 08:43:07 -0400
From: Joe Everhart <n2cx@voicenet.com>
To: qrp-l@Lehigh.EDU
Cc: njqrp@njqrp.org
Subject: [16869] Portable Antennas FS - Correction
Message-ID: <199808051243.IAA49280@nss4.cc.Lehigh.EDU>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Group,

Oops I misidentified the G-2L as single band in my last post. Here is a corrected posting. Sorry for the bandwidth but gotta correct the error!

Portable QRP Antennas

Just in time for the last portable QRP events of the season *and* the shiny new 20 meter qrp rig we have all ordered...

(Note that this is NOT NORCAL sponsored. I'm just riding on their

coattails!

Gusher-2L Multi-band Portable QRP Antenna

1 pound dipole ideal for portable use as an inverted vee
Can be configured for multiband use
Complete with all parts - you cut to length

Gusher Classic Single band Portable QRP Antenna

1 pound dipole ideal for portable use as an inverted vee
You cut it for any single band from 40-10 meters
Complete with all parts - you cut to length

HALFER Ultra Portable Antenna

1/2 wave end-fed wire and 1/4 wave counterpoise
Easy to erect, very light (under 8 oz) and highly effective
Supplied at 40 meter length can be cut for 30 meters
Requires simple tuner like Rainbow Tuner

All antennas are supplied with complete cutting and application info.

Now the best part. Prices are now rolled back to Dayton levels!

Prices:

Gusher-2L	\$25.00
Gusher-Classic	\$20.00
Halfer	\$ 5.00

Postage	\$ 3.00 US,	(each antenna)
	\$ 5.00 foreign	(each antenna)

Antennas are in stock and will be shipped promptly by Priority mail to US addresses.

For additional info contact:

n2cx@voicenet.com

or write to

Joe Everhart, N2CX
214 New Jersey Rd
Brooklawn, NJ 08030

72/73,

Joe E., N2CX

from South Jersey y'all!

Date: Wed, 05 Aug 1998 14:57:56 +0200
From: Thomas Roth <th.roth@apc.de>
To: qrp-l@Lehigh.EDU
Subject: [16870] MFJ 934 ATU/ARTIFICIAL GROUND
Message-ID: <3.0.32.19980805145715.0068def4@apc.de>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: 8bit

Hi Gang,

having a hard time grounding anything here (all plastic and ceramic tubing), I've been toying with the idea of getting one of MFJ's artificial ground things. Just surfed their web-site and found the MFJ 934 Antenna Tuner/Artificial Ground. Has anyone of you ever used one and can tell me more about it, some experience ??? Unless you think it might be of general interest, please mail me privately (no use to clutter up the list).

72's de Thomas, DL40BN, G-QRP #5672

Date: Wed, 05 Aug 1998 09:12:59 -0400
From: Zack Lau <zlau@arrl.org>
To: qrp-l@Lehigh.EDU
Subject: [16871] Re: Stamp Collectors?
Message-ID: <35C85A5B.282@arrl.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Just give/sell the complete envelopes. Why waste your time possibly destroying or damaging collectibles?

Instead, turn on that QRP rig!--Zack W1VT

Date: Wed, 5 Aug 1998 09:10:32 -0400
From: "George W" <n4myy@bellatlantic.net>
To: <cs-erh@nich-nsunet.nich.edu>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [16872] Re: Auction Web Site....
Message-ID: <00bd01bdc072\$89675fe0\$063f44cf@1>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Buyer Beware!!--- this could not be more true than on Ebay! It's great for dealers and resellers and a rip-off for buyers, most gear will end up at 50 to 100% percent over value. Now dealers are using file photos to represent product instead of actual photos. "creadibility" means nothing, all they have to do is change their user name. I for one will buy my gear at Hamfest and newslist!!

"just my opinion based on experience"

GeorgeW / N4MYY

-----Original Message-----

From: Evert R. Halbach <cs-erh@nich-nsunet.nich.edu>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Wednesday, August 05, 1998 8:14 AM
Subject: Auction Web Site....

Hello Group!

Don't know if this was posted or not so here goes.....

Was given a neat auction site by a friend. Lots of EVERYTHING and ANYTHING up for auction. Even saw a couple of QRP items. Lots of ham gear..... Really neat because you can check the "credibility" of people you are dealing with.....

It is located at: www.ebay.com

Select Misc. then go to "Radio Equipment" which is under "Consumer Electronics"....

Happy Auctioning.....

73 de WA50JI Evert
ARCI-9684 QRP-L-1562

Evert R. Halbach WA5OJI
E-mail - cs-erh@nich-nsunet.nich.edu
Snail (work) - P.O. Box 2168 Thibodaux, La. 70310
Snail (home) - 117 Sawmill Rd. Thibodaux, La. 70301

Date: Wed, 5 Aug 1998 09:19:42 -0400 (EDT)
From: William McFadden <wmcfadde@oucsace.cs.OhioU.Edu>
To: qrp-l@Lehigh.EDU (qrp-l)
Subject: [16873] Homebrew QSL Cards
Message-ID: <199808051319.JAA24190@oucsace.cs.ohiou.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

Hello All.

A while ago there was a thread about homebrew QSL cards. I've been making my own cards for several years, and I've placed a description of my technique and images of sample cards on my web site. The URL is in the signature, below. Follow the link to "Amateur Radio", then to "Ultra-Cheap Homebrew QSL Cards".

72,

Eric

--

W. Eric McFadden WD8RIF Athens OH
wd8rif@qsl.net
<http://www.qsl.net/wd8rif>

Date: Wed, 05 Aug 1998 09:29:48 -0400
From: Paul Helbert <phelbert@rica.net>
To: th.roth@apc.de

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [16874] Re: MFJ 934 ATU/ARTIFICIAL GROUND
Message-ID: <35C85E4C.D33C3DC8@rica.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Not sure, but I think Ten Tec's T-kit division might have a similar unit. If they do and if I needed one, I'd want the T-kit rather than the MFJ because Ten Tec documentation is excellent. (Nothing wrong with most modern MFJ stuff so far as I know, its just that Ten Tec spends a lot of effort to teach you the theory of what's going on.

I got into ham radio to learn, not just to operate. Thus I appreciate companies who help me with my goals. I have no pecuniary connection with the company.

Good luck,

Paul, Wv3j

Date: Wed, 5 Aug 1998 20:39:03 +0700
From: "Joe <HS2JFW>" <pornchai@daisy.bu.ac.th>
To: <qrp-l@Lehigh.EDU>
Subject: [16875] Callbook Thailand Home Page
Message-ID: <004601bdc076\$691500e0\$b8e794cb@HS2JFW.bu.ac.th>
MIME-Version: 1.0
Content-Type: multipart/alternative;
boundary="-----_NextPart_000_0043_01BDC0B1.154AA600"

This is a multi-part message in MIME format.

-----=_NextPart_000_0043_01BDC0B1.154AA600
Content-Type: text/plain;
charset="windows-874"
Content-Transfer-Encoding: quoted-printable

Hi All QRPers
Please visit Callbook Thailand and all comments are welcome.
URL is <http://hs2jfw.ml.org>
73/72
Joe

Pornchai Semjang ,Joe QRP-L #938
HS2JFW , N3YGP QRP-HS#1

[illegible]

Thailand "<A=20
href=3D"http://hs2jfw.ml.org">http://hs2jfw.ml.org"
*****=
*****</DIV></BOD=
Y></HTML>

-----=_NextPart_000_0043_01BDC0B1.154AA600--

Date: Wed, 5 Aug 1998 09:34:08 EDT
From: N9DD@aol.com
To: QRP-L@Lehigh.EDU
Subject: [16876] LaPorte County, Indiana Hamfest - Aug. 29
Message-ID: <eae3670e.35c85f51@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Date: Saturday, August 29, 1998
Time: 7AM-1PM (Chicago Time)
Location: LaPorte County Fairgrounds (SR2, West side of LaPorte)

The LaPorte County Electronics Association is sponsoring the LaPorte summer hamfest this year at the LaPorte County Fairgrounds. Air conditioned building and free tailgating outside.

Talk-in on 146.52 simplex.

Table Reservations \$5.00. Contact lpcea@hotmail.com
or phone (219)326-6672 or send to 4977 W. 150 N, LaPorte, IN 46350

Tickets \$5.00 at the gate.

See you there!

73,

Tom N9DD
South Bend, IN

Date: Wed, 5 Aug 1998 09:36:56 -0400
From: "Vincent Ferme" <vferme@sprint.ca>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [16877] Re: MFJ 934 ATU/ARTIFICIAL GROUND
Message-ID: <009501bdc076\$2526dde0\$071005d1@frsswilap04284.callnetcanada.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The August issue of Practical Wireless has a review of the Ten-Tec
artificial ground kit.

73/72 de Vince, VE3VFN.

From: Paul Helbert <phelbert@rica.net>

>Not sure, but I think Ten Tec's T-kit division might have a similar

Date: Wed, 5 Aug 1998 09:35:54 -0400
From: Ronald_A_Pfeiffer@res.raytheon.com
To: qrp-1@Lehigh.EDU
Subject: [16878] CHECKS-not exactly QRP
Message-ID: <85256657.004A7C08.00@ressud-as01.res.ray.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii

Wanted to know if there is a company I can purchase checks
for my banks checking account that would have graphics
such as NORCAL and other logos????

Thanks in advance - RON - N1ZSW

Date: Wed, 5 Aug 1998 07:14:04 -0700 (MST)
From: Chris Trask <ctrask@primenet.com>
To: Zack Lau <zlau@arrl.org>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [16879] Re: Stamp Collectors?
Message-ID: <Pine.BSI.3.96.980805071325.3835A-1000000@usr02.primenet.com>
MIME-Version: 1.0

This is NOT ByteMark stuff, just things I've acquired that I'll never use all of. I would rather trade, but am assigning a value to some to establish

a basis for trade. Make me a reasonable offer on anything.

Part Number	Price	Ea.	I have...	Description?
LM627C	\$4.00	10		VERY low noise op-amp
LMC6482	\$5.00	5		Dual Rail-to-Rail
CA3028(A&B)	???	3		Mixer / Det.
CA3083	???	5		
CA3053	???	6 (1 PULL)		
741	!	9	2 in cans	op-amp
556	???	4		Dual 555 timer
LM311	???	5 (2 PULLS)		
LM337H	???	4 (cans)		
LM310	???	11 (cans)		
LM309	?	4 (cans)	2 leads and the case?	
LM201AM	?	3 (cans)		
MC1350P	?	3		
MC1496G	?	3 (1 PULL)		DBM Mixer / Det.
		(cans)		
MC1496P	?	4		same as "G", DIP
MC1596G	?	4		same as 1496, but mil-spec
1N914			scads ...	
2N3053		7		
2N3565		13		GREAT hot transistor!
2N3638		5		
2N3866		8		
2N4036		2		
2N4302		4		
2N4401		14		
2N4857		2		
2N5109		6 (3PULLS)		
2N5189		2		
2N5457		3		
2N5770		4		
3N140		3		
3N204		6		
4N26		2		
PAC-235	\$6.00	2 (MRF475 equiv???)		

Guess I had a value for fewer than I thought ... the '1596G I'm going to

keep one of. Some of these I've seen puttered around on this list.

Things in particular I'm looking for --

Another TICK chip preferably the 2b, but I'm flexible.

A 'TUF' series dbm from Mini-Circuits. Would prefer the level 7 version, a level 17 version would be fine.

The transistor for the 38 Special 5 watt mod.

Pixie II PC boards - as many as I can get. (kids ...)

Anyone have any digital pots? I'd sure dig about 4 ...

Email for trade or othr details.

Thanks!

Tracy N4LGH

QRP-L #1453

Date: Wed, 5 Aug 1998 09:24:31 -0600
From: Brad Mugleston <bmug@gwl.com>
To: "'qrp-l'" <qrp-l@Lehigh.EDU>
Subject: [16881] London
Message-ID: <01BDC052.DCE83A60.bmug@gwl.com>

My in-laws are going to London next month and I was wondering if there was anything over there they should bring home for me that I can't get over here?

Any recommendations?

de KB0ROL, Brad

Date: Wed, 5 Aug 1998 11:41:13 EDT
From: Mercxx@aol.com
To: qrp-l@Lehigh.EDU
Subject: [16882] WTB QRP Gear
Message-ID: <4e4b109b.35c87d1a@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hi All,

I am new to the list and QRP. I am in the Army and spend a lot of time on the go and in the field. I have been a Special Forces communicator for 18+ years. I am looking for gear. Completed kits, old gear if you are upgrading and want to part with something please let me know so I can get on the air. If you have recommendations for a good kit for a newbie those are welcome to. I welcome any and all opinions...
Please respond to Mercxx@aol.com directly..

73s
Steve
N4TKP
FIST 4922

Date: Wed, 5 Aug 1998 09:50:08 -0600
From: "James R. Duffey" <ji3m@maxwell.com>
To: whalen@swcp.com
Cc: qrp-1@Lehigh.EDU
Subject: [16883] MorGain Antenna Description
Message-ID: <v03007809b1ee2bac17f1@[199.120.49.102]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Tom - I saw your query on the Morgain antenna, but didn't see any replies so I thought I would give you my two cents worth.

Morgain antennas are multiband dipole antennas and were popular 20 years or more ago. They are essentially parallel dipoles with all the pluses and minuses that parallel dipoles carry with them.

There is one significant difference however, and that is the antenna was half size at the lowest frequency. A 40M-10M Morgain was the size of a 20 M dipole. Morgain did this by folding the lowest band dipole back on itself. This is not a good idea as the current in folded over half is out of phase with the current in the first half of the antenna and substantial cancellation results, thereby reducing radiated field strength and lowering efficiency. This is, of course, not a good situation when running QRP.

The antenna should work about as well as a conventional dipole on all but the lowest band. Performance can be improved on the lowest band by identifying the folded back portion and cutting it at the folds, i.e. at the ends of the dipole. Attach enough wire to this point to make a conventional dipole. The cut portion may be left in place, put in parallel with the next highest band for a wider bandwidth dipole, or cut to a WARC band dimension (tuning may be fussy) and paralleled with the rest of the dipoles. This modification doubles the length of the antenna, but will

improve efficiency substantially. If you are still confused I could come over and show you some time. (QRP-Lers-this offer applies to Tom only, or to those with means to cover my transportation costs:^)=)

I hope that this helps. Nice to see you at Tuthill by the way. Keep in touch. - Duffey KK6MC/5

James R. Duffey <ji3m@maxwell.com> (505) 764-3143
Maxwell Technologies Inc. http://www.maxwell.com/
2501 Yale Blvd SE Suite 300
Albuquerque, NM 87106-4200

Date: Wed, 5 Aug 1998 09:55:46 -0600
From: w0yse@juno.com (Neil Klagge)
To: qrp-1@Lehigh.EDU
Subject: [16884] SENDING DX QSLS
Message-ID: <19980805.095547.9198.11.w0yse@juno.com>

Gang,
I made a qrp qso with HB9NL in late '96 and got a card from him via the zero qsl buro. I want to return my card to him but his card says: QSL DIRECT OF VIA "USKA" (whatever that is). the next line says: FRANK ACKLIN - CH 6233 BURON/ LU

I suspect that it is not a complete address, and none of the web pages for looking up dx calls have him listed.

Any advice would be appreciated before I attempt to send it to FRANK ACKLIN - CH 6233 BURON/ LU

Thanks a bunch.

72's
Neil, w0yse since '54
now from Layton, Utah
ARCI, NORCAL, CQC

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 5 Aug 1998 12:11:22 -0400
From: "GARY McCAUGHEY" <MAIL4GARY@worldnet.att.net>
To: <qrp-1@Lehigh.EDU>
Subject: [16885] NYE Viking Master Key FS
Message-ID: <19980805161251.RNY20509@gary>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Found this in a new group...

=====
Nye Viking "Master Key" straight Key Model# 330-001. \$40.00 plus shipping
from
16505.. Email aa3ii@aol.com
=====

Just wanted to pass it on.....Good Luck...

Gary
W2UX
Lexington, SC

CW is the REAL THING! Use it or lose it.....

Date: Wed, 05 Aug 1998 09:25:54 -0700
From: Allan Taylor K7GT <k7gt@qsl.net>
To: qrp-1@Lehigh.EDU
Subject: [16886] Amp-hour capacity of alkaline D cells
Message-ID: <35C88792.7B99@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

As we are finalizing our packs for the trip tomorrow, it occurred to us
that we ought to decided between sealed lead-acid batteries or a bunch
of D cells. Can anyone get me, today, the amp-hour rating for a fresh
alkaline D cell. Energizer or ?

I would appreciate it very much!

--
73 de K7GT

Allan Taylor (a.k.a. Grant) Pleasanton CA
email: k7gt@qsl.net
web page: http://www.qsl.net.k7gt/index.html

Date: Wed, 05 Aug 1998 10:42:29 -0600
From: Niel Skousen <nskousen@scientechn.com>
To: qrp-l@Lehigh.EDU
Subject: [16887] WTB: Scope (RS?) for parallel port..
Message-ID: <199808051642.KAA19360@if.scientechn.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Anybody have one of the Radio Shack or equiv. low end digital scopes that run on the PC parallel port ? Do they work ? Want to trade ??

Thinking of using this as a backup system to test an audio distribution setup on a trip next week.. Any other thoughts ?? Anybody know a good pc/soundblaster based distortion or sinad meter ?

TNX Niel

Niel Skousen: Sr.Eng, SCIENTECH.SPG/CFG/NUSI
208.525.3742, 524.9229 FAX 529.4721 Idaho Falls ID
nskousen@scientechn.com WA7SSA QRP-L.119
Z-----DN33wm--- . . . -

Date: Wed, 05 Aug 1998 12:00:26 -0500
From: John Bohnert <johnb@elmhurst.edu>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [16888] Elmer 101 -- VFO Mod
Message-ID: <35C88FAA.9CDF0EEF@elmhurst.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The SW 40+ is a great rig and I want to provide some form of RIT for this season's FOX hunting (cannot wait)!!! In QRP Power (a publication available from ARRL) there is an extensive series on the 40-40, the 'first' version of SW 40+, and numerous modifications tried by the authors of the articles.

One of the authors used a DPDT switch and a second 100K vfo control (I

am at the office without reference to the publication and I think I have this correct). By throwing the switch you "merely" change the pot which is in the circuit. Seems simple AND effective. In essence you have a "dual vfo" rig. I am considering this strategy for my SW 40+. Anyone tried this specific mod? Any problems?

Since only DC voltages are involved, could I place the second vfo control in its separate "box" with minimal lead length, rather than to try and squeeze it into the enclosure I purchased from Small Wonders? I thought about a dual pot, but there does not appear to be enough depth between the enclosure front panel and the circuit board to allow for the additional depth of such a control. Any observations to share?

72

John N9KW QRP-L #1257
Elmhurst, IL

Date: Wed, 5 Aug 1998 11:43:25 -0600
From: "Michael S. Williamson" <ag97@sendero.net>
To: qrp-l@Lehigh.EDU
Subject: [16889] strange signal
Message-ID: <98080511513123200@mail>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

I've heard this weird fluttering signal many times and would like to know if anybody knows what it is. I'm thinking it's a jamming signal, but not sure.

I put a .wav in here. Please excuse the excessive noise as my computer adds a lot of QRM

<http://members.xoom.com/Aggie97/ham/>

thanks and 73
kc5cqm

Date: Wed, 05 Aug 1998 10:33:14 -0700
From: Allan Taylor K7GT <k7gt@qsl.net>
To: qrp-l@Lehigh.EDU

Subject: [16890] Battery amp-hour ratings: INFO found!
Message-ID: <35C8975A.2B5E@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The information I needed on alkaline cell amp-hour ratings has been forwarded to me. Now just give us a call if you hear us...K7GT or KQ6KV

Thursday night 7040 & 14050/60
Friday morning 7040
Friday midday-afternoon 14050/60
Friday night 7040, 14050/60
Sat morning 7040, 14050/60 later on

QTH will be DM07, Kibbie Lake area, Yosemite natl park

--
73 de K7GT
Allan Taylor (a.k.a. Grant) Pleasanton CA
email: k7gt@qsl.net
web page: <http://www.qsl.net.k7gt/index.html>

Date: Wed, 5 Aug 1998 10:35:54 -0700 (PDT)
From: David Feldman <dgif@netcom.com>
To: qrp-l@Lehigh.EDU
Subject: [16891] QRP++ output power reduction
Message-ID: <199808051735.KAA25386@netcom17.netcom.com>

I have a QRP++ that I would like to use as IF for a Ten-Tec 1208 transverter. The problem (?) I have is that my QRP++ puts out almost 8 watts, which I think is much for the 4 watt swamping resistor network in the 1208. Is there a control inside the QRP++ which reduces transmit level for both CW and SSB?

73 Dave WB0GAZ dgif@netcom.com

Date: Wed, 5 Aug 1998 10:28:59 -0700
From: Conrad <radman@best.com>
To: "'k7gt@qsl.net'" <k7gt@qsl.net>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [16892] RE: Amp-hour capacity of alkaline D cells (Duracell says....)

Message-ID: <01BDC05B.DC867C40.radman@best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Following are Duracell's capacity ratings per battery in milliamp-hours:

"D" cell	15,000 mAh
"C" cell	7,800 mAh
"AA" cell	2,850 mAh
"AAA" cell	1,150 mAh
9 V	580 mAh
"N" cell	800 mAh

All ratings are for Duracell Alkaline batteries (Gold & Black) packaging... their ratings -- not mine :) !

Standard disclaimer....

GL - 72 - Conrad Weiss - NN6CW

As we are finalizing our packs for the trip tomorrow, it occurred to us that we ought to decided between sealed lead-acid batteries or a bunch of D cells. Can anyone get me, today, the amp-hour rating for a fresh alkaline D cell. Energizer or ?

I would appreciate it very much!

--

73 de K7GT
Allan Taylor (a.k.a. Grant) Pleasanton CA

Date: Wed, 5 Aug 1998 10:51:56 +0100
From: talljazz@teleport.com (Dan Presley)
To: qrp-1@Lehigh.EDU
Subject: [16893] late BB report/portable mast
Message-ID: <v01530508b1ed3cf81515@[204.202.160.173]>
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Had lots of fun as BB# 90 up in the Oregon woods (thanks to Russ Carpenter for the location!). This is a spot about 2000' above the McKenzie River valley about 30 miles west of Eugene, Or. Temp was in the 90's, and propagation was shaky with lots of qsb as noted elsewhere-got 22 contacts ranging from 10 miles to NJ, all on 20. Equipment was a Sierra with a gel cell, and a "gusher" inv. vee using a mast made up from a collapsible paint roller 'extender'. In order to get best results from using a Vee, you have to get next to a cliff (not too close!) or bluff, where there isn't a handy tree or branch usually. I tried using my SLV pole as a center support last year, which worked OK, but I kept thinking about those lightweight paint poles-they are very light, and extend between 10 to 15 ft depending on the model. This was still a little short, so I picked up a bag of 3 wooden attachments which thread on the end of the pole to give extra reach-each piece is about 12-14", so by using 3, I got close to 20 ft. For a base, I jury rigged some PVC fittings to fit on the bottom of the pole which allowed me to use the base 'spike' which came with my SLV kit from Vern (forget his call- if you don't know what this is, it's a large spike, or nail attached to a dowel which is fitted into a short length of PVC pipe). I attached a pulley and rope to the top wooden section to run the antenna up & down, and the rope also can be used as a guy line when the dipole is up. Worked well, and is very lightweight-the only drawback is that even collapsed, the pole is still 5 to 6 ft long. It would be nice to have a shorter one (collapsed) to backpack easier. There are also fiberglass models, but are heavier. Cost was about \$20 at Home Depot, and if a way can be figured to make it collapse smaller, this would be a very handy mast for portable use.

It was a fun event, and great fun to work Wes Hayward, who with Russ Carpenter, was up higher in the Cascades about 20 miles west of me-other very strong signals came from KD7AEE in Utah as well as N7XJ-also heard Zack W1VT (first station I worked!) in CT very well all day; where were the Californians and AZ guys? Couldn't hear many up in OR. Thanks again to Russ and the ARS for sponsoring a fun (and learning) event.
Dan N7CQR

Date: Wed, 5 Aug 1998 11:04:42 -0700
From: John Moriarity <k6qq@hdo.net>
To: crc3@telplus.net, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [16894] RE: RF OUTPUT STAGE FOR 40M ?
Message-ID: <3.0.16.19980805224629.2f4f106a@hdo.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 08:59 AM 8/5/98 -0400, cy r currier wrote:

>while most transistors are lo z it was my understanding that an n channel
>fet more nearly approximated a triode. the voltage was lower of course.
would these not respond favorably to pi network?? i thought the orig
discussion was about fet's in the final. cy - k1tes
>

FET, Bipolar, Vacuum Tube, it doesn't matter. The same principles apply.

The load you must present to the active device is (to a first approximation)

$$R_{load} = (V_{supply}^2) \text{ divided by } 2 \times (\text{power out desired}).$$

Example: for three watts out with a 12 volt supply, $R_{load} = (12 \times 12) / (2 \times 3)$
or $R_{load} = 24$ ohms. The matching network is then designed to transform
50 ohms (assuming your antenna is 50 ohms) to 24 ohms. (Try the same
calculation
for a 50 watt amplifier with a 500 volt supply.)

In reality, it will be somewhat less than that number. For more details
see Solid State Design... (Hayward & DeMaw), or my article in the Spring
'98 QRP Quarterly.

72,

John, K6QQ

Date: Wed, 5 Aug 1998 12:07:40 -0600
From: David Ek <ekdave@earthlink.net>
To: "'k7gt@qsl.net'" <k7gt@qsl.net>
Cc: "'qrp-1@lehigh.edu'" <qrp-1@Lehigh.EDU>
Subject: [16895] RE: Amp-hour capacity of alkaline D Cells
Message-ID: <01BDC069.A5F5F260.ekdave@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Allan -

Go to <http://www.duracellnpt.com/primary.d/alka.d/alkds.html> for datasheets
on Duracell alkalines. I checked this out a while ago (along with some help
from the group). While the alkalines have pretty hefty amp-hr ratings, it's
usually for a pretty low drain rate. The amp-hr capacity decreases with

increasing current drain. Also, their ratings are usually for draining the battery until its voltage drops to around 1 volt, which is probably lower than you can reasonably use them with a qrp rig. So if you can only drain down to 1.2 or 1.3 volts before the voltage is too low for your rig you'll see that you don't get much capacity. If you look at the performance curves, you'll see that the voltage drops pretty quickly when you first start to drain the battery.

Hope this helps. I'm headed out with my pack this weekend. I'll be carrying a 2 Ah gelcel.

72 de Dave AB0GO

Date: Wed, 05 Aug 1998 14:17:53 -0400
From: Michael Maiorana <mikemo@ibm.net>
To: k7gt@qsl.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [16896] Re: Amp-hour capacity of alkaline D cells
Message-ID: <35C8A1D1.22CC3@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Allan Taylor K7GT wrote:

>
> As we are finalizing our packs for the trip tomorrow, it occurred to us
> that we ought to decided between sealed lead-acid batteries or a bunch
> of D cells. Can anyone get me, today, the amp-hour rating for a fresh
> alkaline D cell. Energizer or ?

At low currents (15mA) a fresh D cell has about 18 amp hours capacity. That is 1200 hours at 15mA. I'm not sure how low that number drops at higher current draws. It still blows away a nicad!

--
72 de ku4qo
Mike Maiorana
Palm Harbor, FL

Date: Wed, 05 Aug 1998 14:38:03 -0700
From: Randy Hargenrader <randyh@harksystems.com>
To: "klqrp@waterw.com" <klqrp@waterw.com>, qrp-1@Lehigh.EDU

Subject: [16897] Aug 2, KLn timer Report
Message-ID: <35C8D0BB.7066D22B@harksystems.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang,

Great conditions for the Sunday night net! We had 6 check-ins which is light but still fun. One notable check-in was KD1YV/4 Jim, near Cashiers. He threw a dipole into the trees and used the SMiTe to try the check-in! He was barely readable but there.

QNS:
WF4I Derek
KA2QPG Pierre
W4ED ED
N3GO Gary
AA4XX Paul
KD1YV/4/qrpp

The net started on time at 9:30pm and I closed it at 10:19pm.

The KnightLite QRP net is open to all amateurs at all power levels. Please come on by and give us a bit of news or signal reports for the other stations from your QTH! Starts Sunday nights at 9:30pm Eastern Time. WQ4RP is net control at 3.686.4MHz.

--

73, Randy WJ4P
Knightlites QRP-L #296

Date: Wed, 5 Aug 1998 12:02:17 -0700
From: John Moriarity <k6qq@hdo.net>
To: qrp-l@Lehigh.EDU
Subject: [16898] Wrong Book!
Message-ID: <3.0.16.19980805232424.214f1dda@hdo.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I just realized that I referenced the wrong book in my last posting. It should have been "Solid State Design for the Radio Amateur" by Hayward and DeMaw. Mea Culpa!

Of course you should also have "Introduction to RF Design" by Hayward in your library.

Usual disclaimers, except that Wes is a friend as well as a superb engineer.

72,

John, K6QQ

Date: Wed, 5 Aug 1998 15:05:42 -0400
From: "Karty, Steven" <kartys@ncs.gov>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>
Subject: [16899] Nye key
Message-ID: <5731E91FCE0ED211B05B0020484016A311686A@RBMAIL103>
MIME-Version: 1.0
Content-Type: text/plain

I would like to place the second and third place bids, at \$19 and \$18, respectively.

72, Steven Karty - N5SK

Date: Wed, 5 Aug 1998 20:09:35 +0100 (BST)
From: John Fletcher <johnf@innotts.co.uk>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [16900] RE: Live Bug Construction
Message-ID: <199808051909.UAA03882@carlton.innotts.co.uk>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hello all,

I use "live bug" too, I bend the bug's legs out horizontally and cut a piece of stripboard to fit, break the tracks down the middle and glue the stripboard to the groundplane. Then I solder the bug to the copper tracks and link the earthed pin(s) to the groundplane with tinned copper wire. Inexpensive DIL sockets can be mounted this way too. The turned-pin ones aren't suitable because the pins tend to break. My "scratchbuilt NorCal 40" was built this way, and there's a picture of it on Frank G3YCC's homepage (hope it's still there!)

73 all de John G4EDX

P.S. I haven't forgotten about the write-up, Jerry.

Date: Wed, 05 Aug 1998 14:17:52 -0500
From: "j.w. thornton" <dub@oklahoma.net>
To: qrp-l@Lehigh.EDU
Subject: [16901] elmer101: Sprint
Message-ID: <3.0.3.32.19980805141752.00b039d8@oklahoma.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang: I did not see any response to Mike's proposal for a SW-40 Elmer Sprint Aug 13th. Is it on??? Sounds like a fun thing to me, and I am NOT a contestor. At least Mike's suggestion forced me to stick mine in a cabinet, so I can calibrate the VFO in readiness for the big bash.

Dub WA5YFY
J. W. (Dub) Thornton
QRP-L #159
Norcal #598
ARCI #6982
NW QRP #427
Minco, Okla. 73059

Date: Wed, 05 Aug 1998 15:52:57 -0400
From: Zack Lau <zlau@arrl.org>
To: qrp-l@Lehigh.EDU
Subject: [16902] Portable WY Operating Spots?
Message-ID: <35C8B819.515C@arrl.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Looks like I'll be in Estes Park, CO for a microwave conference. Any suggestions for operating locations? Would like to squeeze in a few hours during the ARCI QSO Party.
--Zack W1VT

Date: Wed, 5 Aug 1998 15:29:35 -0400
From: n2tpa@juno.com (Bill d Lazure)
To: QRP-L@Lehigh.EDU
Subject: [16903] N2TPA: Re: Patch Panels vs Coax Switches
Message-ID: <19980805.154306.7574.1.N2TPA@juno.com>

----- Begin forwarded message -----
From: N2TPA
Subject: Re: Patch Panels vs Coax Switches

Guys,

I too used patch panels in the Air Force, and at work now (TV Station). I put together a patch panel for my Rigs to antenna/SWR meter/Tuner/LF Converter. I've had tremendous luck with it.

The cost of commercial patch panels is prohibitive. They're \$200 to \$1000. All I did was build a wooden box about 16" long and 6" deep. On the back, I have rows of UHF Jacks for antennae, and RCA Jacks for equipment (RCAs are ALOT cheaper than all BNC or UHF). On the front I use all BNCs (I tried RCA, but they tend to twist loose with use. In between, I connected them with RG-58. Voila! Much less impedance "bumps".

Much less "clutter". No more expensive switches that only come in 6 positions.

I found this idea worked so well, that I've also done it for my audio. 2 different speakers, 6 different receivers, DSP, also reduces the clutter and offers a lot of flexibility. The audio patch is all RCA connectors. They can be had for 10 cents each at hamfests.

Bill
N2TPA

On Tue, 04 Aug 1998 15:44:17 -0400 David Fouchey <dafouche@jax-inter.net> writes:

>Interesting query Jim. In our equipment rooms we terminate all of our
>DS-3 (50Megabit) equipment on patch panels, BNC connectors in back and
>a
>rather interesting connector on the front. Individual jack "modules"
>slide
>into the rack allowing the termination of individual pieces of
>equipment
>and cross connecting to other equipment locations using bnc-bnc patch
>cables.

>They come to fit in 19 and 23 inch wide standard telco equipment
>racks. The
>front panel jacks allow for test access or quick patching over to
>other
>circuits or equipment. Don't see why something like this wouldn't work
>for
>anything up to low VHF at least.
>
>They are manufactured by ADC and should be readily available from any
>Telco
>equipment supplier, Anixter etc..anyone wanting additonal info on
>these
>e-mail me at my work address, I have a catalog there.
>
>They are rugged, simple and expandable. Just an idea.
>
>Dave, WA4EMR
>dafouchey@jax-inter.net (home address)
>dave_fouchey@csx.com (work address)
>
>
>At 02:13 PM 8/4/98 -0500, George T. Baker wrote:
>>Good idea, James. Please post your findings so we can all share.
>>
>>--
>>
>>72/73, George didit dit
>>Amateur Radio W5YR, 52 years and counting!
>>QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403
>>AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)
>>
>>
>>James Apple wrote:
>>>
>>> I'm starting to have too many ant's, rig's, dummy loads, ant
>>> analyzers,
>>> etc. It's getting hard to use just coax switches and get the
>>> flexibility that I would like.
>>>
>>> Is there anyone who is using a Patch Panel for this type of
>>> routing. I
>>> used them in the Navy but never really thought about how they were
>>> built. It seems like a bunch of bulkhead connectors with each
>>> device
>>> plugged into the back would be start ?
>>>
>>> I would appreciate any ideas, hints, tips etc ...
>>>

>>> Thanks in Advance.

>>

>>

>>

>

>

----- End forwarded message -----

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Date: Wed, 05 Aug 1998 16:17:45 -0400

From: Michael Maiorana <mikemo@ibm.net>

To: dub@oklahoma.net

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [16904] Re: elmer101: Sprint

Message-ID: <35C8BDE9.18E4EB51@ibm.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

j.w. thornton wrote:

>

> Gang: I did not see any response to Mike's proposal for a SW-40 Elmer
> Sprint Aug 13th. Is it on??? Sounds like a fun thing to me, and I am NOT
> a contestor. At least Mike's suggestion forced me to stick mine in a
> cabinet, so I can calibrate the VFO in readiness for the big bash.

I didn't get a big response but a few people have said they would be there. I'm not sure how many, but I can say for sure that I will be there.

If all those who are going to participate drop me an email, I can give everyone an idea as to the number. Please email me direct and not the list.

--

72 de ku4qo

Mike Maiorana

Palm Harbor, FL

"And if I have prophetic powers, and understand all mysteries and all knowledge, and if I have all faith, so as to remove mountains, but have not love, I am nothing"

Date: Wed, 5 Aug 1998 16:27:31 -0400
From: Lauri_Frank_J@bns.att.com
To: qrp-1@Lehigh.EDU
Subject: [16905] KD2IX/HR2 or HR2/KD2IX
Message-ID: <H00001ce00a4db8c@MHS>

I just got back from a lovely vacation in Honduras and had the chance to operate HF at a local Hams QTH.

I worked many stations on CW as well as SSB on 15,20 and even 17mtrs.

Several stations asked me why I signed my call HR2/KD2IX rather than KD2IX/HR2.

To be honest,I am not sure what is the "correct" format since I don't operate in foreign countries too often.

Any comments would be appreciated.

Frank - KD2IX - Carmel,NY - FN31

Date: Wed, 05 Aug 1998 15:43:58 -0500
From: John Bohnert <johnb@elmhurst.edu>
To: dub@oklahoma.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [16906] Re: elmer101: Sprint
Message-ID: <35C8C40E.11F129DE@elmhurst.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

j.w. thornton wrote:

>

> Gang: I did not see any response to Mike's proposal for a SW-40 Elmer
> Sprint Aug 13th. Is it on??? Sounds like a fun thing to me, and I am
> NOT a contestor. At least Mike's suggestion forced me to stick mine > in a
cabinet, so I can calibrate the VFO in readiness for the big > bash.

Dub et al....

I am trying to finish off the freq-mite for the big event! I assume we will hear something from Mike to confirm the date/times.

72

John N9KW QRP-L 1257
Elmhurst, IL

Date: Wed, 5 Aug 1998 16:28:15 +0000
From: kf4tbs@juno.com (Matthew g Robertson)
To: qrp-l@Lehigh.EDU
Subject: [16907] End Feed Antennas
Message-ID: <19980805.163157.-186081.5.KF4TBS@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Hi again everyone. I need the measurements and set-up for a end feed zepp. I've seen a bit of info on the subject, but not anything on measurements. I'll be operating around 7125 Khz. Thanks in advance.

Matthew Robertson
KF4TBS
QRP-L# 1626

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 05 Aug 1998 13:41:56 -0700
From: "Dan Tayloe" <Dan_Tayloe-P26412@email.mot.com>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [16908] Spice Modeling of Switched Capacitor filters?
Message-ID: <35C8C394.ECBAF554@email.mot.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have one of the free Spice packages (Microsim?) that I downloaded about six months back in during the heydays of the 2N2222 project.

I would like to play a little bit with switched capacitor using SPICE, but I don't know how to go about modeling a time driven

analog switch. It would be nice to model the frequency response of such an animal when used in combination with other circuits.

Any ideas?

Thanks much!

- Dan Tayloe, N7VE, Phoenix, Az; Az ScQRPions

Date: Wed, 5 Aug 1998 20:37:33 +0100
From: wd3p@juno.com (Larry Cahoon)
To: wmcfadde@oucsace.cs.OhioU.Edu, qrp-1@Lehigh.EDU
Subject: [16909] Re: Homebrew QSL Cards
Message-ID: <19980805.203733.4438.0.wd3p@juno.com>

On Wed, 5 Aug 1998 09:19:42 -0400 (EDT) William McFadden
<wmcfadde@oucsace.cs.OhioU.Edu> writes:

>A while ago there was a thread about homebrew QSL cards. I've been
>making my own cards for several years, and I've placed a description of
my
>technique and images of sample cards on my web site. The URL is in the
>

Homebrewing the cards works well. I have my regular cards done by W4MPY.
He and I went through about 3 or 4 rounds to come up with my present
card. It is not represented in his literature and has features
incorporated from a number of cards I have seen, with check boxes to
cover the various types of operating that I do. But they just don't do it
for special events where I don't need 500 cards.

For events like the flight of the bumblebees I have done my own in WORD.
They are then printed out on 4x6 index card stock and cut to the size of
a normal QSL card. Currently I'm using yellow stock to give it some
color. I could print in color if I wanted but I have stayed with the
blank print so far. I feed the cards one at a time through the printer.
That means that each card can be custom printed. I even type in all the
exchange information. No problems then with reading my handwriting. All I
have to do is write any note I want to make and sign it. Each event gets
a different card. gif files are used for graphics. I can then change the
information on the rig and the antenna to suit the event. Plus I can
simply modify the card from the previous event as needed and not have to
set most of the stuff up again. The latest card for the bumblebee
contest has a gif of a bee and a gif of the mountains. The exchange box

was designed as a table. That way all the headings could be easily incorporated. It looks much like you see on most of the commercial cards. I vary the font size and style on the card. That gives it some character and allows me to make some things, like the callsign, larger than the other items. The actual size is dependent on how many lines I want to print on the card. The font used for the exchange info looks a bit like handwritting. I like it that way.

Sorry, I don't have a web site to post the cards to for all to view, but that should give an idea of what can be done.

73/72 de Larry....WD3P

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Date: Wed, 5 Aug 1998 13:36:35 -0700 (PDT)
From: Mike Parkes <ab7ru@yahoo.com>
To: qrp-l@Lehigh.EDU
Subject: [16910] Circuit to measure capacitance with multimeter?
Message-ID: <19980805203635.25306.rocketmail@send1d.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Does anyone have info on a circuit that could be built in order to measure capacitance with a multimeter?

==
Michael Parkes AB7RU
26725 E Moffat Rd
Newman Lake, WA 99025

DO YOU YAHOO!?
Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Wed, 05 Aug 1998 13:43:36 -0700
From: Dan Tayloe-P26412 <Dan_Tayloe-P26412@email.mot.com>
To: qrp1 <qrp-1@Lehigh.EDU>
Subject: [16911] Spice Modeling of Switched Cap Filters?
Message-ID: <35C8C3F8.FDD741EB@email.mot.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have one of the free Spice packages (Microsim?) that I downloaded about six months back in during the heydays of the 2N2222 project.

I would like to play a little bit with switched capacitor filters using SPICE, but I don't know how to go about modeling a time driven analog switch. It would be nice to model the frequency response of such an animal when used in combination with other circuits.

Any ideas?

Thanks much!

- Dan Tayloe, N7VE, Phoenix, Az; Az ScQRPions

Date: Wed, 5 Aug 1998 20:44:53 +0100
From: wd3p@juno.com (Larry Cahoon)
To: Lauri_Frank_J@bns.att.com, qrp-1@Lehigh.EDU
Subject: [16912] Re: KD2IX/HR2 or HR2/KD2IX
Message-ID: <19980805.204453.4438.1.wd3p@juno.com>

On Wed, 5 Aug 1998 16:27:31 -0400 Lauri_Frank_J@bns.att.com writes:

>

>

>Several stations asked me why I signed my call HR2/KD2IX rather than
>KD2IX/HR2.

>

>Any comments would be appreciated.

>

I don't know if each country has rules on things like that, but like HR2/KD2IX. In contest it quickly identifies you are as a DX station. If you use the US call first a lot of stations stateside will pass over you thinking you are a stateside station. They don't take the time to listen to the full call when time is important. While not a critical feature

outside of the contest the same principle applies. For my log I always reformat the call into that form, then it is consistent throughout. So even if you sent KD2IX you go in the log as HR2/KD2IX.

To each their own, others may have different preferences, 73 de
Larry...WD3P

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Date: Wed, 5 Aug 1998 17:03:39 -0400
From: Mel Evans <MelEvansGM6JAG@compuserve.com>
To: qrp-1 <qrp-1@Lehigh.EDU>
Subject: [16913] Quotation Verbosity Monitor Report
Message-ID: <199808051704_MC2-5542-CC9E@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

Hi guys,

Last 800kb of list, about 340kb was quotations of previous messages,
quotations of quotations of previous messages, or quotations of quotation=
s
of quotations of previous messages!

Further violations in quotation verbosity will be reported to the Verbosi=
ty
Police, with a written request to truncate offenders! (Painful!) 8-(=

C'mon guys, the digestees have to wade through this stuff every day, Plea=
se
think before you quote from previous messages, especially when replying v=
ia
the list! Sorry Chuck, it's been creeping up again! 8-)

P.S. I know I go on a bit, but at least my verbosity is mostly original!

72 and 73 de Mel
GM6JAG
Edinburgh, Scotland UK

Home of the last HW9

Area Chairman, British Caravanner's Club
Web Pages <<http://users.aol.com/bccscot/page1.html>>

Alternate e-mail address: <melgm6jag@aol.com>

Authorised at 11kv, 33kv, and up to 275kv

Check out < <http://users.aol.com/euramcom/welcome.html> >
for details of euro-american components equivalents!

Date: Wed, 5 Aug 1998 16:37:52 -0500 (CDT)
From: jdenison@morelr.com (JOEL DENISON)
To: qrp-l@Lehigh.EDU
Subject: [16914] Wire/Rope Antennas
Message-ID: <199808052137.QAA02635@ns1.morelr.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

High gang:

got the antenna bug today as the 8jk was working real good and it was time for a change... :-)

I put up a two element quad for forty meters cut it for 7.150... one director and driven element with twenty four foot spacing... the top is about 48ft high and the bottom about 8 to ten feet off the gnd... kinda low ... but I am curious enough to see what it will do...

Driven element is 141ft and the director is 138ft 3in... feeding it with my "multi-splice" twinlead... rs 300ohms...

Being able to make each side abt 35ft long sure has it taking up less space than a delta or some other configuration... will see what it does tonight... oh it's horizontally polarized... feeding it at the top, middle...

kinda cute, hanging up there... Remindes me of the time....
joel, in maine, looking for my first 40mtr contact on "the antenna" :-)

Oh, oh, it's facing the lower 47... :-)

God Bless
Joel

WA5CVM
Joel Denison Gentle Lady (RC Sail Plane)(049 engine - start)
PO BOX 542 DIPOLE on 40mtr
Strong, Maine 04983 QRP ARCI 4066 NEW ENGLAND QRP 476 QRP-L 765

jdenison@morelr.com Use strong nets guys, the crawfish are big over here

Date: Wed, 5 Aug 1998 16:35:18 -0600 (MDT)
From: marion@montana.com
To: qrp-1@Lehigh.EDU
Subject: [16915] radio shack clock
Message-ID: <199808052235.QAA00354@paw.montana.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Was in Radio Shack today and they have a clock that sets itself with a built in WWV monitor. It sets to your time zone, but won't display in 24hour mode! Has anyone modded one of these to just display WWV? The \$35 price was right. Roy AB7CE

Date: Wed, 5 Aug 1998 16:51:30 -0500
From: n5inz@juno.com (John M Andrews)
To: qrp-1@Lehigh.EDU
Subject: [16916] Re: Elmer 300- more....
Message-ID: <19980805.165827.3198.55.N5INZ@juno.com>

Whooops!

<http://www.teleport.com/~w7zoi>

for Wes Hayward's update on "Radio Frequency Design".

Sorry.

John-N5INZ

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Date: Wed, 5 Aug 1998 15:56:25 -0600

From: w0yse@juno.com (Neil Klagge)
To: qrp-1@Lehigh.EDU
Subject: [16917] Re: SENDING DX QSLS
Message-ID: <19980805.155626.9198.14.w0yse@juno.com>

Thank you to all who replied. Here are some of the answers I rec'd.

1. "The USKA is their bureau. If you are a member of the ARRL you can send it via the outgoing bureau along with your other cards. If you received it via the bureau its ok to send it back that way."

2. "The Radio Amateur Call Book CD shows him as

Franz A Acklin
Sonnenrainstr 27
CH-6233 Bueron
Switzerland"

3. "USKA is the HB9 national IARU society just like the ARRL is ours or the JARL is Japan's. Each IARU society runs a QSL bureau operation. He is telling you to QSL via his bureau (or the ARRL outgoing bureau) or direct to his address which is FRANK ACKLIN, Sonnenrainstr 27, CH 6233 BURON/LU (Switzerland). Just add the country at the end of the given address information and you will probably find the street information on his card somewhere too. The above address is how it is listed in the Callbook CD ROM."

Perhaps this will help others who, like me, dont qsl much (usually only when I receive one).

72's
Neil, w0yse since '54
now from Layton, Utah
ARCI, NORCAL, CQC

earlier, Neil Klagge wrote:

>
> Gang,
> I made a qrp qso with HB9NL in late '96 and got a card from him via the
> zero qsl buro. I want to return my card to him but his card says: QSL
> DIRECT OF VIA "USKA" (whatever that is). the next line says: FRANK
> ACKLIN - CH 6233 BURON/ LU
>

> I suspect that it is not a complete address, and none of the web pages
> for looking up dx calls have him listed.
>
> Any advice would be appreciated before I attempt to send it to FRANK
> ACKLIN - CH 6233 BURON/ LU
>
> Thanks a bunch.
> -----
> 72's
> Neil, w0yse since '54
> now from Layton, Utah
> ARCI, NORCAL, CQC
>
> -----
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----- End forwarded message -----

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 05 Aug 1998 15:59:20 -0700
From: Bill Todd <bill@willapabay.org>
To: nwq-l@scn.org
Cc: grp-l@Lehigh.EDU
Subject: [16918] I'm b a c k...! & NWQ MTG
Message-ID: <1.5.4.32.19980805225920.006e59c8@willapabay.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Good Golly Miss Molly...

My trusty mainstay computer is finally back on line, the result of getting the CD-ROM fixed. After that, everything went into place nicely. The CD-ROM problem turned out to be caused by a shorted out sound card, which has since been replaced.

It would have been simple to just restore my tape backup "as is", but I did not want to re-introduce the Norton Commander/WIN 95 operating system in the process.

SAT NW QRP Club Meeting

One nice thing about working, is that income is generated from such an enterprise. This being the case (duh), I have been asked to work this Saturday - the day of our NW QRP Club meeting at the Tacoma Hamfair. Being the new guy on the block, I thought it would be wise to accept the gracious invitation to work (ha). Therefore, I am hoping that someone from the Club will help to bring the group together about noon at the Tacoma Hamfair, because I will not be there to do it.

Aug "NWQ" Newsletter

This computer glitch means that I will be delayed for about another week in putting up the August "NWQ" Newsletter up on my web page, and on our official NW QRP Club web page site.

I still have some space left for good articles in the August newsletter - so your contributions are welcome!

Thanks gang, and have fun
CUL, Bill-N7MFB
<http://www.willapabay.org/~bill>

End of QRP-L Digest 1174

